

APRIL/MAY 2024

**DCS33/GCS33 — PROGRAMMING USING
PYTHON**

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Define Identifiers.
2. What is data type conversion?
3. Define Arguments.
4. List out the types of loops in python.
5. Give the syntax of reload() function.
6. Write with example of rename a file.
7. How to create an object of a class?
8. Define destructors.
9. Give a structure of findall() method.
10. List out any 4 special character classes.

SECTION B — (5 × 5 = 25 marks)

Answer ALL the questions.

11. (a) List out the features of python.
Or
(b) Narrate the operations in python.
12. (a) Illustrate recursive functions with example.
Or
(b) How to pass more than one return values in function? Explain
13. (a) State concepts of namespaces and scope in python.
Or
(b) Write a program to create modules and import statements in python.
14. (a) Write short notes on data hiding.
Or
(b) Illustrate Encapsulation with an example.
15. (a) Briefly explain regular expression of match(), search() and replaces().
Or
(b) Give an explanation about web application framework.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain in detail about Multiple statement group suites in python.
17. Write a program for function with arguments.
18. Illustrated detail in packages in python.
19. Describe an Inheritance and its type with syntax.
20. Write in detail about Django architecture.
-